

BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Brak, Dr. C[ornelis].

Atmospheric variations of short and long duration in the Malay Archipelago and neighboring regions, and the possibility to forecast them. Batavia. 1919. 57 p. 27½ cm. (K. Magnetisch en meteorologisch observatorium te Batavia. Verhandelingen 5.)

Engler, Dr. Arnold.

Einfluss des Waldes auf den Stand der Gewässer. Zürich. 1919. 626 p. 127 Tabellen. 25 cm. (Mitteilungen der Schweizerischen Zentralanstalt für das Forstliche Versuchswesen. Band 13.)

Fontseré [y Riba, Eduardo].

Resum de meteorologia. Barcelona. 1919. 32 p. 19 cm. (Minerva . . . primera serie, volum 32.)

Gorczynski, Vladyslaw.

O zmianach okresowych w ciągu doby temperatury i wilgotności powietrza w Warszawie. (La marche diurne de la température et de l'humidité de l'air à Varsovie.) Warsaw. 1916. pp. 577-608. 27 cm. (Extrait des Comptes rendus de la Société des sciences de Varsovie. 1916. IX Année. Fasc. 6.) [Text in Polish; résumé in French.]

Traits caractéristiques du climat de la Pologne parmi les climats Européens. (O niektórych cechach charakterystycznych klimatu ziem polskich na tle klimatów Europy.) Warsaw. 1918. 35 p. 24 cm. (Extrait de la "Revue géographique polonaise.") [Text in French; résumé in Polish.]

Helland-Hansen, Björn, & Nansen, Fridtjof.

Temperature variations in the North Atlantic ocean and in the atmosphere: introductory studies on the cause of climatological variation. Washington. 1920. 408 p. 48 plates. 24 cm. [Translated from Videnskapselskapets Skrifter. I. Mat-Naturv. Klasse. 1916. No. 9, with additions by the authors and by Dr. C. G. Abbott, Smithsonian institution, Washington, U. S. A.] [See also author's abstract, Mo. WEATHER REVIEW, 46: 177-178, 1918.]

Knoche, Dr. Walter.

Über die Zahl der Gewitter in Chile. Valparaiso. [n. d.] [12 p.] 25 cm. (Aus den Mitteilungen des Deutsch-Chilenischen Bundes. Heft 3.)

Marshall, C. F. Dendy.

Variations of atmospheric conditions with altitude. London. 1919. 8 p. 21½ cm. (For official use. Ministry of munitions. Munitions inventions department.)

[Mellish, Henry].

The weather of 1919 at Hodsock priory, Worksop, [Nottinghamshire, England]. [Worksop. 1920. 7 p.] 24 cm.

Mexico. Servicio meteorológico.

Instrucciones para las estaciones termopluviométricas de segunda clase de la red meteorológica Mexicana. Primera edición. Tacubaya. 1920. 22 p. 22 cm.

Sifontes, Ernesto.

Contribución al estudio de la climatología en la zona al sur del Río Orinoco. (Región de Ciudad Bolívar. Venezuela. Guayana.) Ciudad Bolívar. 1918. 23 p. 30½ cm.

Tondorf, F. A.

Registration of earthquakes at the Georgetown University station, and press dispatches received at the Georgetown station from Jan. 1, 1919, to Jan. 1, 1920. Washington. 1920. 25 p. 25 cm. (Georgetown University publication. Bulletin of the Seismographic station, No. 4.) [Also published in MONTHLY WEATHER REVIEW, from month to month.]

Vegard, L., & Krogness, O.

Position in space of the Aurora polaris, from observations made at the Haldde-Observatory 1913-14. Kristiania. 1920. 172 p. 30 cm. (Geofysiske Publikationer, vol. 1, no. 1.)

Wolcott, Robert H.

Seasonal changes in Nebraska and some of their effects on animal life. Lincoln. [1919.] 122 p. 22 cm. (Studies from the Zoological laboratory of the University of Nebraska. 107.) [Reprinted from the Publ. of Nebr. acad. of sciences, vol. 10, No. 1. Dec. 1918.]

Wunderlich, Dr. E.

Handbuch von Polen. (Kongress-Polen). Beiträge zu einer allgemeinen Landeskunde. Berlin. 1918. 512 p. 28 cm. ["Klima," by J. Kölzer, p. 153-192.]

[Young, Floyd D.]

Frost and the prevention of damage by it. Washington. 1920. 48 p. 23 cm. (U. S. Dept. of Agr. Farmers' bulletin 1096.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Aerial age. New York. v. 11. May 31, 1920.

Hersey, Mayo D. Aeronautic instruments. General principles of construction, testing and use. pp. 403-405. [Includes some instruments of meteorological interest.]

Aeronautical journal. London. v. 24. May, 1920.

Jones, Melville. Flying over clouds in relation to commercial aeronautics. p. 220-249. [Ability to fly above clouds is a practical necessity.]

American society of heating and ventilating engineers. Journal. New York. v. 26. May, 1920.

Caldwell, F. W., & Fales, E. N. High efficiency air flow. p. 403-414. [Describes a new method of visualizing air-flow.]

Hall, E. Vernon, & Aeberly, J. J. The relation of the death rate to the wet-bulb temperature. A review of Dr. Huntington's interpretation of the death rate by climographs. p. 471-479.

Armspach, O. W. The relation of wet-bulb temperature to health. p. 480-488. [Health depends in nonheating season on outdoor wet-bulb temperatures and during heating season upon the outdoor dew-point temperature.]

California citograph. Los Angeles. v. 5. March, 1920.

Young, Floyd D. Rate of increase in temperature with altitude during frosty nights in southern California. p. 136.

Young, Floyd D. Effect of topography on temperature distribution in southern California. p. 215, 231.

Engineering news-record. New York. v. 84. May 13, 1920.

Earl, George G. Analysis of New Orleans' rainfall statistics for twenty-five years. p. 363.

Highest Miami flood since 1913 tests conservacy works. p. 944-945.

Franklin institute. Journal. Philadelphia. v. 189. May, 1920.

Webster, David L. The physics of flight. p. 553-580. Urges that aviators should understand the fundamentals of the physics of flight.]

Illustrated London news. London. v. 88. March 13, 1920.

Statistics of Jupiter Pluvius: 1919 "the driest year since 1908." [Map with caption.] p. 401.

The Holy city under snow: Jerusalem isolated by a blizzard for three days and three nights. [Pictures with captions.] p. 404-405.

London, Edinburgh and Dublin philosophical magazine. London. v. 59. 1920.

Wood, R. W. Light scattering by air and the blue color of the sky. p. 423-433. (April.) [Abstract, p. 220, above.]

Thomas, J. S. G. The hot-wire anemometer: its application to the investigation of the velocity of gases in pipes. p. 505-534. (May.)

National academy of sciences. Proceedings. Washington. v. 6. January, 1920.

Abbot, C[harles] G[reeley]. A new method of determining the solar constant of radiation. p. 4-7. [See MONTHLY WEATHER REVIEW, 1919. 47: 580-582.]

Nature. London. v. 105. April 22, 1920.

Chisholm, Geo[rge] G. Dr. J. G. Bartholomew. p. 238-239. [Obituary.]